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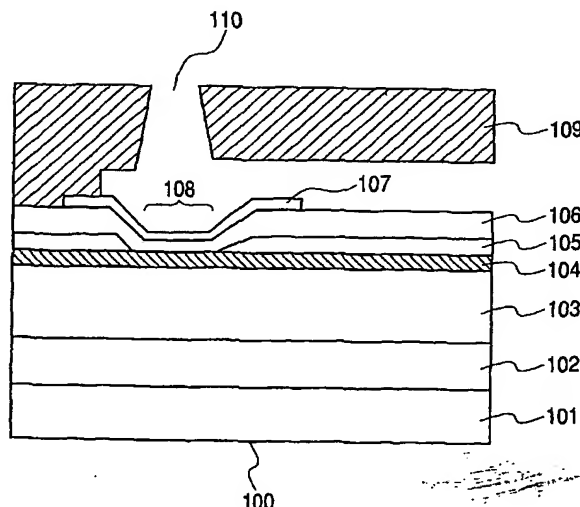
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[Continued on next page]

(54) Title: SUBSTRATE FOR INK JET HEAD, INK JET HEAD UTILIZING THE SAME AND PRODUCING METHOD THEREFOR



(57) Abstract: For improving adhesion between a protective layer having a portion coming into contact with ink in a substrate for an ink jet head, and a resin layer thereby ensuring reliability in quality over a prolonged period, the invention provides a substrate for an ink jet head including a heat-generating resistor constituting a heat generating portion, an electrode wiring electrically connected with the heat-generating resistor and an upper protective layer provided on the heat-generating resistor, and the electrode wiring across an insulating protective layer, wherein after forming an upper protective layer in which a Ta layer is laminated on a layer formed by a TaCr alloy, said Ta layer is selectively patterned and selectively removed so that the liquid flow path member is formed in a portion where the layer formed by said TaCr alloy is exposed by said removing.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP 03/ 16712

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl. B41J2/05, 2/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl. B41J2/05, 2/16Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Japanese Utility Model Gazette 1922-1996, Japanese Publication of Unexamined Utility Model Applications 1971-2003, Japanese Registered Utility Model Gazette 1994-2003, Japanese Gazette Containing the Utility Model 1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1177899 A1 (CANON KABUSHIKI KAISHA) 2002.02.06, [0045] - [0051], Fig.1-3 & JP 2002-113870 A, [0043] - [0050], Fig.1-3 & US 2002/24564 A1	1-15
Y	EP 1090758 A2 (CANON KABUSHIKI KAISHA) 2001.04.11, [0019], Fig.11 & JP 2001-171126 A, [0027] - [0028], Fig.11	1-15
Y	EP 1078758 A2 (CANON KABUSHIKI KAISHA), 2001.02.28, [0146] - [0148], [0158] - [0161], Fig.22 & JP 2001-130003 A [0130] - [0132], [0142] - [0145], Fig.18 & US 6467884 B1	1-15
Y	EP 1090760 A1 (CANON KABUSHIKI KAISHA) 2001.04.11, [0042], [0046], Fig.2 & JP 2001-105596 A, [0039], [0043], Fig.2 & US 6485131 B1	5-7, 12-14

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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